

Pending Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Previously Presented) A method, comprising:
filtering a signal with a bandpass filter;
measuring image rejection and DC offset rejection of the filtered signal; and
adjusting a center frequency of the bandpass filter,
wherein the filtering, measuring and adjusting is repeated until a compromise between DC offset rejection and image rejection is achieved, and
wherein the compromise is reached when the DC offset rejection is within acceptable tolerances and image rejection meets minimum pre-specified requirements.
2. (Previously Presented) The method of claim 1, wherein the filtering comprises filtering the signal with the bandpass filter comprising two cross-coupled low pass filters.
3. (Previously Presented) The method of claim 2, wherein the adjusting comprises cross-coupling using cross-coupled variable resistors.
4. (Original) The method of claim 3, wherein the adjusting is done by varying the resistance of the cross-coupled variable resistors.
- 5-6. (Cancelled)

7. (Previously Presented) A system, comprising:

- means for filtering a signal;
- means for measuring image rejection and DC offset rejection of the filtered signal; and
- means for adjusting center frequency of the means for filtering,

wherein the filtering, measuring and adjusting is repeated until a compromise between DC offset rejection and image rejection is achieved, and

wherein the compromise is reached when the DC offset rejection is within acceptable tolerances and image rejection meets minimum pre-specified requirements.

8. (Previously Presented) A system, comprising:

- a bandpass filter capable of filtering a received signal and capable of having a center frequency adjusted; and
- at least one measurement circuit, communicatively coupled to the filter, capable of measuring image rejection and DC offset rejection of the filtered signal,

wherein the bandpass filter and at least one measurement circuit continue to filter, measure and adjust the center frequency until a compromise between DC offset rejection and image rejection is achieved, and

wherein the compromise is reached when the DC offset rejection is within acceptable tolerances and image rejection meets minimum pre-specified requirements.

9. (Original) The system of claim 8, wherein the bandpass filter comprises two cross-coupled low pass filters.

10. (Original) The system of claim 9, wherein the cross-coupling includes cross-coupled variable resistors.

11. (Original) The system of claim 10, wherein the adjusting is done by varying the resistance of the cross-coupled variable resistors.

12-13. (Cancelled)